

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 7/28/2010 Page 1 of 1

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| TO: Pete Siegenthaler, Prin TE / | | | FILE: E.A. 04 - 0120F4 . | |
| FROM: Kannu Balan, Senior TE | | | CO-RTE-PM SF-80-13.2/13.9 | |
| CCO#: 153 SUPPLEMENT#: 0 Category Code: CHPT | | | FED. NO. | |
| COST: \$400,000.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/> | | | CONTINGENCY BALANCE (incl. this change) \$42,717,171.40 | |
| SUPPLEMENTAL FUNDS PROVIDED: \$0.00 | | | HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | |
| CCO DESCRIPTION: Hinge K Bearings | | | IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | |
| | | | PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE | |
| Original Contract Time: 2490 Day(s) | Time Adj. This Change: 0 Day(s) | Previously Approved CCO Time Adjustments: 227 Day(s) | Percentage Time Adjusted: (including this change) 9 % | Total # of Unreconciled Deferred Time CCO(s): (including this change) 6 |

THIS CHANGE ORDER PROVIDES FOR:

As directed by the Engineer, modifying Hinge K pipe beams, spare fuses, and spherical bushing ring bearings, including, but not limited to, the following:

- Increasing the nominal inside diameter of the spherical bushing ring bearings to 1924.54mm.
- On the project site, machining a bevel at the end of the four pipe beams.
- Machining a bevel at the end of the four spare fuses.
- At bearings manufacturer Lubrite Technologies, performing a test fit with the first fabricated spherical bushing ring onto spare fuse 120A-2 and the first fabricated spherical bearing onto spare fuse 120A-2.
- Providing additional field work and material to ensure that the two hinge pipe beams within a single box girder are properly aligned and mutually parallel.

Proper function of the spherical bearing requires a tight fit to the hinge pipe beam. This change order requires sizing the bearing to the as-built dimensions of the hinge pipe beams, modifying the fuses to facilitate assembly of the bearings, and sending one of the spare fuses to the bearing manufacturer for trial fit up and assembly in the shop.

This work will be paid as extra work at force account and the Department estimates it to total \$400,000.00, which can be financed from the contingency fund.

No time adjustment is warranted as this change order does not affect the controlling operation.

This change order has concurrence from Peter Siegenthaler (Principal TE), Ken Terpstra (Project Manager), Rick Morrow (Structures Rep.), Rich Foley (HQ Oversight), and Wenyi Long (Design Oversight).

The Resident Engineer requests Head Quarters CCO Desk "Issue and Approve".

| CONCURRED BY: | | ESTIMATE OF COST | |
|--|---------------|---|---------------|
| Construction Engineer: | Date | THIS REQUEST | TOTAL TO DATE |
| Bridge Engineer: Actg Sup BE, Brian Boal | Date 8/31/10 | ITEMS \$0.00 | \$0.00 |
| Project Engineer: CT Oversight, Wenyi Long, P.E. | Date 9/3/10 | FORCE ACCOUNT \$400,000.00 | \$400,000.00 |
| Project Manager: Proj Manager, Ken Terpstra | Date 9/3/10 | AGREED PRICE \$0.00 | \$0.00 |
| FHWA Rep.: HQ, Rich Foley | Date 9/1/10 | ADJUSTMENT \$0.00 | \$0.00 |
| Environmental: | Date | TOTAL \$400,000.00 | \$400,000.00 |
| Other (specify): Design of Record, Marwan Nader | Date 10/23/09 | FEDERAL PARTICIPATION | |
| Other (specify): PCE, Pete Siegenthaler, Prin TE | Date 9/1/10 | <input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING | |
| District Prior Approval By: | Date | FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type) | |
| Issue Approve By: | Date | <input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS | |
| Resident Engineer's Signature: | Date | FEDERAL FUNDING SOURCE | PERCENT |
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